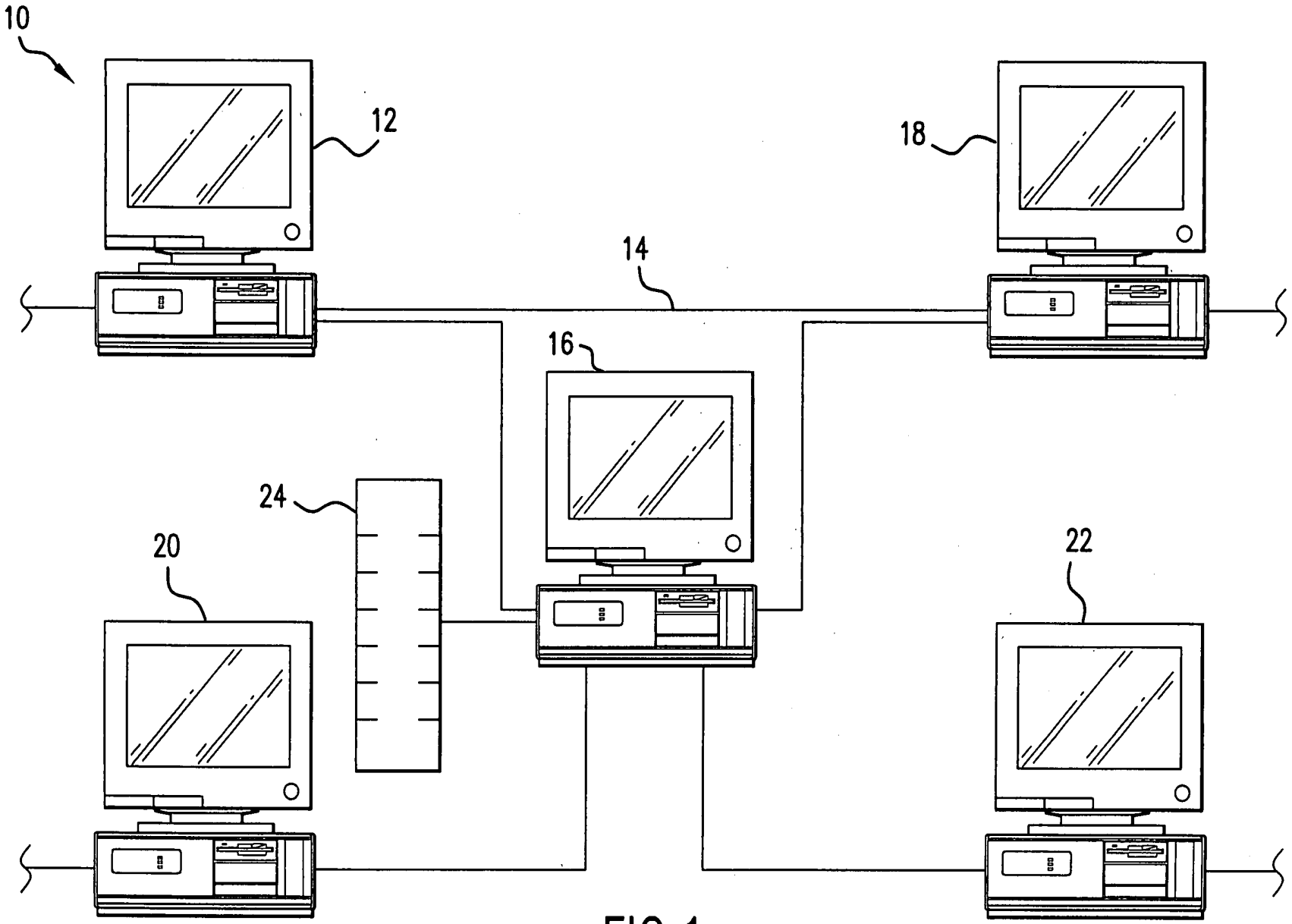

FIG.1

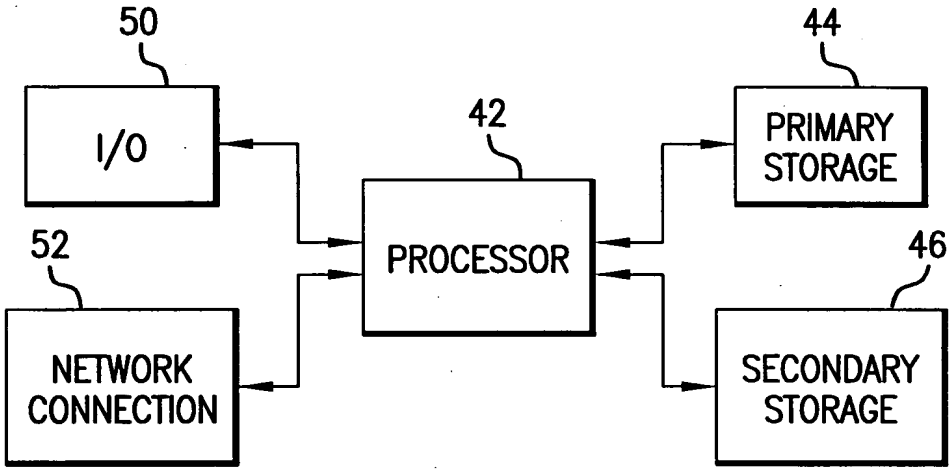
50
I/O
42
PROCESSOR
44
PRIMARY STORAGE
52
NETWORK CONNECTION
46
SECONDARY STORAGE

FIG.2

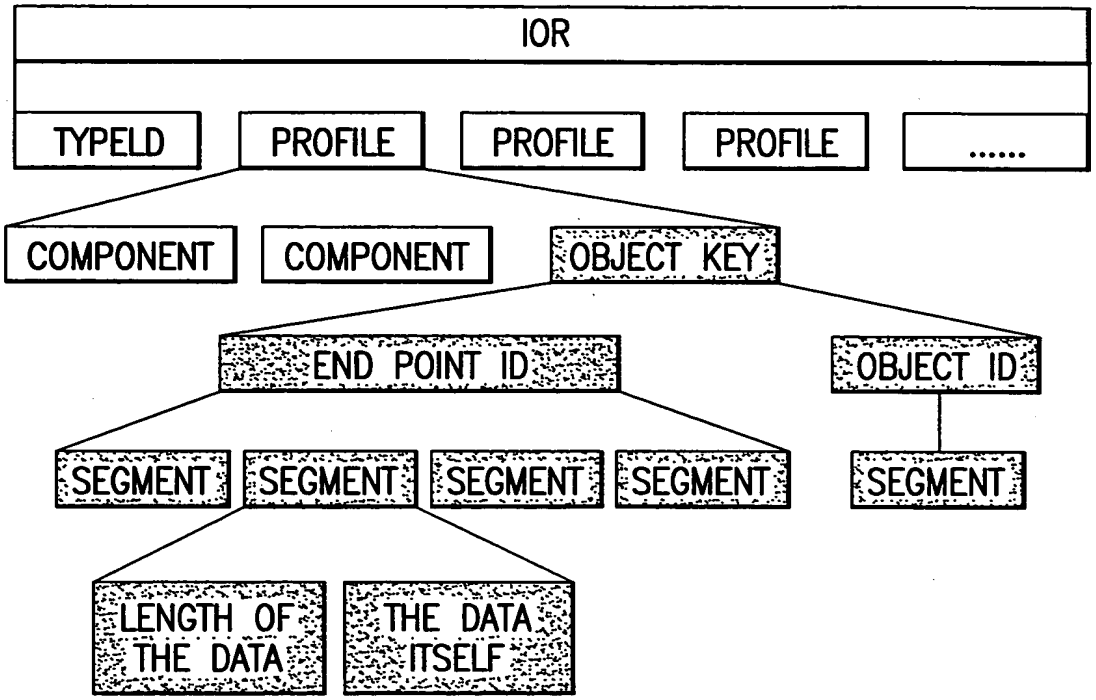
IOR
TYPELD
PROFILE
PROFILE
PROFILE
.....
COMPONENT
COMPONENT
OBJECT KEY
END POINT ID
OBJECT ID
SEGMENT
SEGMENT
SEGMENT
SEGMENT
SEGMENT
LENGTH OF THE DATA
THE DATA ITSELF

FIG.3

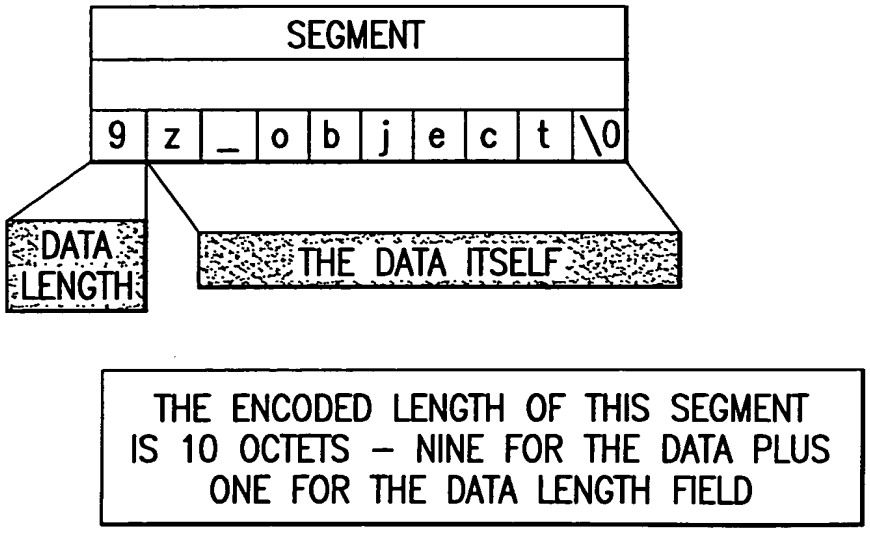
SEGMENT
9
z
_
o
b
j
e
c
t
\0
DATA LENGTH
THE DATA ITSELF
THE ENCODED LENGTH OF THIS SEGMENT IS 10 OCTETS – NINE FOR THE DATA PLUS ONE FOR THE DATA LENGTH FIELD

FIG.4

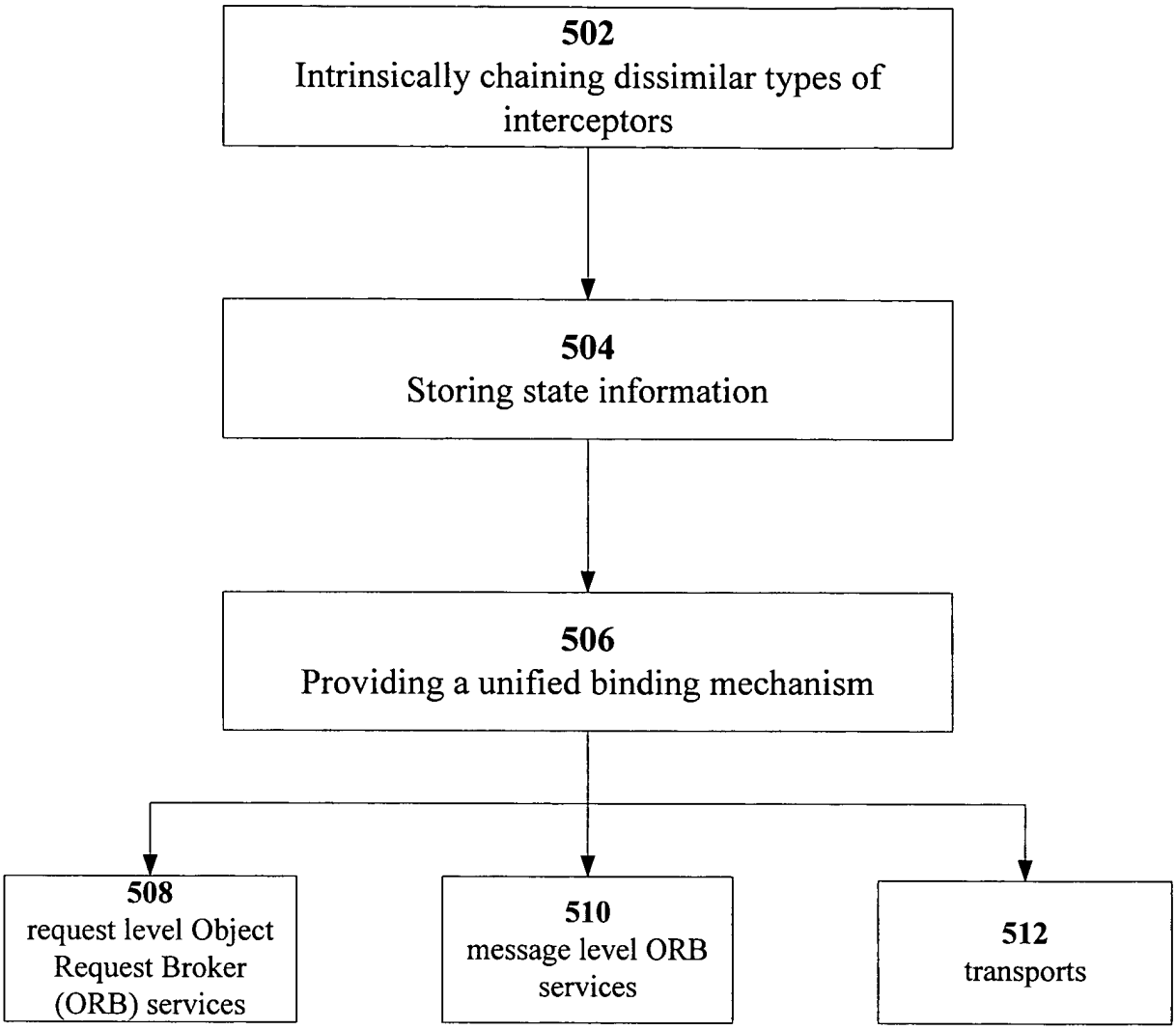
502
Intrinsically chaining dissimilar types of interceptors
504
Storing state information
506
Providing a unified binding mechanism
508
request level Object Request Broker (ORB) services
510
message level ORB services
512
transports

Figure 5

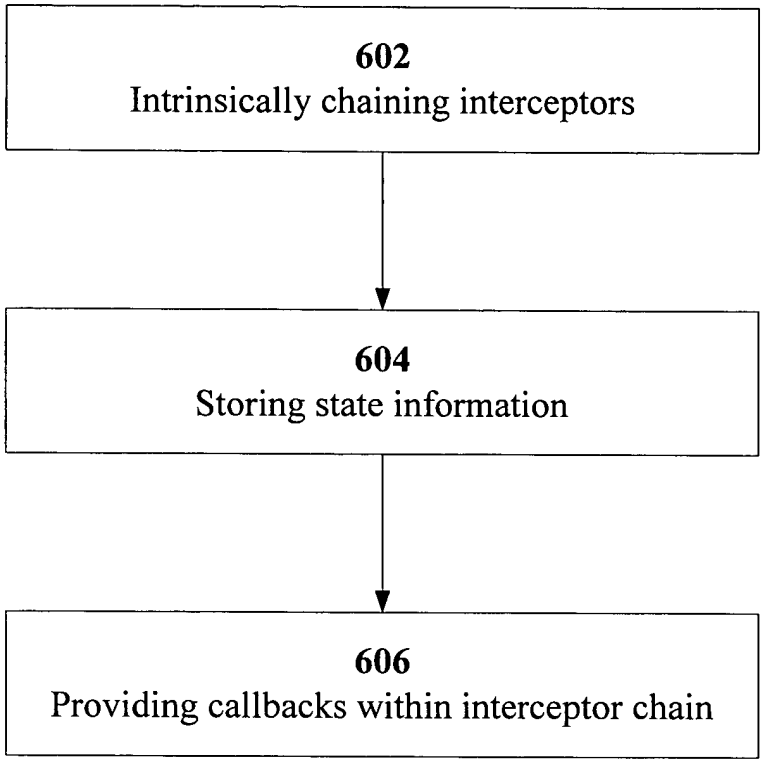
602
Intrinsically chaining interceptors
604
Storing state information
606
Providing callbacks within interceptor chain

Figure 6

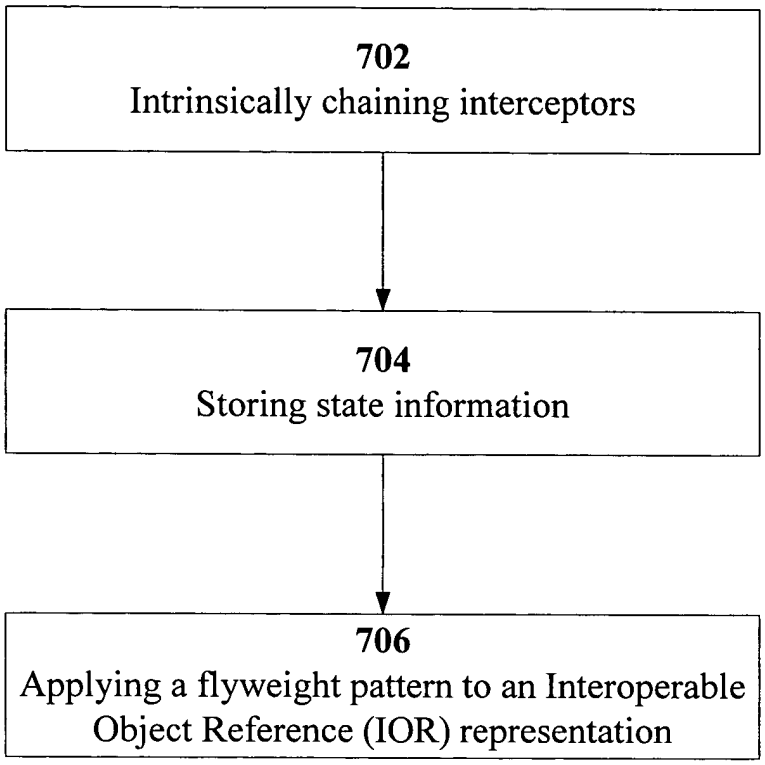
702
Intrinsically chaining interceptors
704
Storing state information
706
Applying a flyweight pattern to an Interoperable Object Reference (IOR) representation

Figure 7